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RELEASE DESCRIPTION DOCUMENT
DSCC DIGITAL COMMUNICATIONS SUBSYSTEM
GCF MONITOR PROCESSOR (GMP)
GSI-5562-OP-A/1.1.3

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**DSCC DIGITAL COMMUNICATIONS SUBSYSTEM
GCF MONITOR PROCESSOR (GMP)
RELEASE DESCRIPTION DOCUMENT
BUILD 1.1.3
FOR THE
GROUND COMMUNICATIONS FACILITY
SOFTWARE DEVELOPMENT PROGRAM**

Version 1.1.3

25 August 1995

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SECTION 1

INTRODUCTION

1.1 Identification

Program Set Name: GCF MONITOR PROCESSOR
Identification No.: GSI-5562-OP-A/1.1.3
Version No.: OP-A
Revision No.: 1.1.3
Pseudonym: GMP
Project: Ground Communications Facility
Subsystem: GMP
Assembly: GMP

1.2 Overview

The GCF Monitor Processor (GMP) Assembly replaces the exiting GCF Monitor/Control Assembly at the Central Communication Terminal.

1.3 Document Scope

This document identifies detailed characteristics of the GMP Program Set being released. It is composed of the following sections.

Section 1 contains an introduction and overview description of the program set.

Section 2 defines the environment in which the software must operate and contains the list of latest versions of all related program set documents.

Section 3 contains the description of all new or changed capabilities that have been incorporated into this release.

Section 4 contains the detailed contents of the software delivery including the list of operational files that comprise the program set, the list of files that were delivered for this release.

Section 5 presents the list of problems that have been corrected in this release, as well as the list of outstanding problems.

Section 6 presents the detailed instructions required to build the software.

1.4 Method

Various portions of this document were generated using the reporting features of the Configuration Management tools - Oracle and CCC. These tools provide accurate accounting of the status of the software under development and test, as well as the contents of the configuration that are delivered to JPL.

1.5 Notation

Within this document, shaded text shall represent changes (or additions) from the previous version. Strikeouts indicate text deleted with this version.

1.6 Controlling Documents

D-4007 JPL Software Management Standards Package; Software Implementation and Test Phase: Version 3.0; December, 1988.

1.7 Applicable Documents

None.

SECTION 2**RELEASE ENVIRONMENT****2.1 Operating Environment**

Target Platform: SUN SPARC 10
 Operating System: SOLARIS 4.3
 GMP Software Release: GSI-5562-OP-A/1.1.3

2.2 Build Environments

Platform: SUN SPARC 10
 Operating System: SOLARIS 4.3
 Compiler: CC Compiler 2.0.1

2.3 Documentation

<u>Document Identification</u>	<u>Version</u>	<u>Description</u>
GCF-GMP-RDD	1.1.3	Release Description Document for GMP Version 1.1.3

SECTION 3

NEW OR CHANGED CAPABILITIES

The GMP provides the following new capabilities:

- Install/setdisplay
- Add clock, perfmeter, and multiple monitor daemon activations
- Stop clock and perfmeter

The GMP provides the following changed capabilities:

- Fixed Event/Alarm Monitor Window
- Installation Script for Datafiles and Monitor Mappings
- Separated Channels and LAN Monitors into Separate Graphs

SECTION 4

DETAILED CONTENTS

This section defines the elements that comprise the program set and identifies the files that have been released for this delivery. Section 4.1 provides a complete listing of all elements, both operational files and test files. The strike out marking indicates files that have been deleted from this submittal, red-lined markings indicate files that have been added in this submittal. Section 4.2 provides a complete listing of the changes that have occurred between this release and the previous release.

4.1 Complete Detailed Contents

4.1.1 GMP

4.1.1.1 Directory: local
bin/ etc/ lib/ perl5/

4.1.1.2 Directory: local/etc
httpd/

4.1.1.3 Directory: local/etc/httpd
cgi-bin/ cgi-src/ conf/ htdocs/ httpd logs/

4.1.1.4 Directory: local/etc/httpd/cgi-bin
clients/ gmp/

4.1.1.5 Directory: local/etc/httpd/cgi-bin/clients

4.1.1.6 Directory: local/etc/httpd/cgi-bin/gmp
clients/ perl/

4.1.1.7 Directory: local/etc/httpd/cgi-bin/gmp/clients

4.1.1.8 Directory: local/etc/httpd/cgi-bin/gmp/perl
BrowseDefs.pl Dump.pl GmpSupport.pl RouteStream.pl
CheckPoint.pl DumpDefs.pl Ignition.pl ScpConnect.pl
ChnlDefs.pl EALogger.pl LaunchMonitor.pl ScpDefs.pl
CkptDefs.pl ExternalDefs.pl LogBrowse.pl StartStop.pl
ConfigChnl.pl Externalifs.pl MnDefs.pl Streams.pl
DBFiles.pl Forms.pl Mnemonics.pl channels.dat
DefineNode.pl GMPHelp.pl MonDefs.pl key.dat
DefineStream.pl GmpConf.pl NodeDefs.pl tspan.pl
DisplayLaunch.pl GmpDefs.pl ParseInput.pl wtail.pl

4.1.1.9 Directory: local/etc/httpd/cgi-src
Makefile ea/ histogram/ query/
client_server/ explore/ mond/

4.1.1.10 Directory: local/etc/httpd/cgi-src/client_server
GMP_Client.c Makefile SockLib.c SockLib.h

4.1.1.11 Directory: local/etc/httpd/cgi-src/ea
EventAlarm.c UxMethod.c dsimple.h ea.op xwd.c
EventAlarm.h UxXt.c ea-tak1.op ea.prj xwd.man
EventAlarm.i UxXt.h ea-tak1.prj print.ic xwd.mk

```
lmakefile  date    ea.c    tm
Makefile.bak  dsimple.c  ea.mk    tmp
```

4.1.1.12 Directory: local/etc/httpd/cgi-src/explore

Dump.sav Explore.c Makefile save.c
DumpExp.c Explore.h WinPost.c util.c

4.1.1.13 Directory: local/etc/httpd/cgi-src/histogram

channels.XRT channels.mak histogram.c histogram_xrt.make
channels.c channels_xrt.make histogram.dat keyload.c
channels.dat histogram.XRT histogram.mak keyload.h

4.1.1.14 Directory: local/etc/httpd/cgi-src/mond

GMP_Mond.c GMP_Mond.mak SockLib.c SockLib.h mond.config

4.1.1.15 Directory: local/etc/httpd/cgi-src/query

Makefile imagemap.c post-query.c
bspost.c jj.c query.c
change-passwd.c phf.c util.c

4.1.1.16 Directory: local/etc/httpd/conf

access.conf httpd.conf srm.conf
access.conf-dist mime.types srm.conf-dist

4.1.1.17 Directory: local/etc/httpd/htdocs

calendar gmp/ guestbook.html maps/
data/ gmp.html images/ sounds/

4.1.1.18 Directory: local/etc/httpd/htdocs/data

10 mea_log.txt.bak sfg2_streams.db
README nodes.db sfg3_channels.db
asm_ctx.db sfg1_channels.db sfg3_dumps.db
asmdefs.db sfg1_dests.db sfg3_scps.db
cdr_ctx.db sfg1_dests.db.sav sfg3_streams.db
datatype_mn.db sfg1_dumps.db sfg3_streams.db.bak
date sfg1_scps.db sfg_ctx.db
dude.chan sfg1_streams.db spacecraft_mn.db
ea.log sfg2_channels.db streams.db.bak
fg1_channels.db sfg2_dumps.db streams.db.demo
mea_log.proto.sav sfg2_scps.db

4.1.1.19 Directory: local/etc/httpd/htdocs/gmp

html/ images/

4.1.1.20 Directory: local/etc/httpd/htdocs/gmp/html

ActiveSC.html blah.html defs.html help/
ConfigChnl.pl controls.html eg.html specs.html
LogSearch.html date gmphelp.html

4.1.1.21 Directory: local/etc/httpd/htdocs/gmp/html/help

gmpnav.html

4.1.1.22 Directory: local/etc/httpd/htdocs/gmp/images

a_down.gif button_home.gif help.gif ret-ar.gif
a_left.gif compass.gif jpl_logo.gif return-arrow.gif
a_right.gif dsnovw.gif key.gif stats.gif
a_right.gif.bak exclaimw.gif line.gif stats2.gif
a_right_red.gif eye.gif nasa.gif stats_graph.gif
a_up.gif granite_left.gif question.gif testtest.gif
battlement.gif granite_right.gif rainbow.gif
book.gif groove_wide.gif rball1.gif

4.1.1.23 Directory: local/etc/httpd/htdocs/images

anthveh.gif g.au gd1.gif icons/ skel.gif
anthveh.jpg garcia.gif gd2.gif samples.htm

4.1.1.24 Directory: local/etc/httpd/htdocs/images/icons

```

a_down.gif    granite_right.gif  parent.gif
a_left.gif    groove_wide.gif   people.gif
a_right.gif   help.gif          question.gif
a_up.gif      help2.gif         rainbow.gif
back.gif      here.gif          rball1.gif
bang.gif      home_blue.gif     redball.gif
base.gif      htpdicon.gif      return-arrow.gif
battlement.gif  httpd1.gif       search.gif
bigwarn.gif   icon.gif          sound.gif
binary.gif    icons.gif         speaker.gif
bob.gif       image.gif         stats.gif
book.gif      images.gif        stats2.gif
bottom_divider.gif  index.gif       stats_graph.gif
button_home.gif  keyboard.gif     stop.gif
button_search.gif  l_black.gif     telnet.gif
circuit.gif   l_blue.gif        text.gif
compass.gif   l_green.gif       tightrope.gif
coolbar.gif   l_grey.gif        tools.gif
dblank.gif    l_orange.gif      top.gif
divider_top.gif  l_purple.gif     unknown.gif
exclam.gif    l_red.gif         up.gif
exclamw.gif   l_white.gif       warning.gif
eye.gif       line.gif          warp_speed.gif
eyeline.gif   lion.gif          waveline.gif
file.xbm      lookrul2.gif      whitebal.gif
finger.gif    mailbox.gif       winsock.gif
ftp.gif       menu.gif          winsock2.gif
fwd.gif       movie.gif         xyz.gif
fwd2.gif      new.gif           yellowba.gif
go_to.gif     note.gif
granite_left.gif  oct-stop.gif

```

4.1.1.25 Directory: local/etc/httpd/htdocs/maps
skel.map

4.1.1.26 Directory: local/etc/httpd/htdocs/sounds
hahem.au

4.1.1.27 Directory: local/etc/httpd/logs
access_log error_log httpd.pid

4.1.2 ShareWare Software

The following files comprise a set of ShareWare utilities used by the GMP Assembly.

4.1.2.1 Directory: local/bin
netscape netscape1_1N perl perl5.001

4.1.2.2 Directory: local/lib
perl5/

4.1.2.3 Directory: local/lib/perl5
AddINC.pm NDBM_File.pm bigint.pl less.pm
AnyDBM_File.pm Net/ bigrat.pl look.pl
AutoLoader.pm POSIX.pm cacheout.pl nTk.pm
AutoSplit.pm Pretty.pm chat2.inter newgetopt.pl
Benchmark.pm SDBM_File.pm chat2.pl open2.pl
Carp.pm Search/ complete.pl open3.pl
Cwd.pm Shell.pm ctime.pl perl5db.pl
DSC.pm Socket.pm dotsh.pl pwd.pl
DynaLoader.pm SubstrHash.pm dumpvar.pl shellwords.pl
English.pm Sys/ exceptions.pl sigtrap.pm
Env.pm Term/ fastcwd.pl stat.pl

Exporter.pm Test/ find.pl strict.pm
 ExtUtils/ Text/ finddepth.pl subs.pm
 Fcntl.pm TieHash.pm flush.pl sun4-solaris/
 File/ Time/ ftp.pl syslog.pl
 FileHandle.pm Tk/ getcwd.pl tainted.pl
 Getopt/ Tk.pm getopt.pl termcap.pl
 Ghostview.pm abbrev.pl getopt.pl timelocal.pl
 l18N/ assert.pl hostname.pl validate.pl
 IPC/ auto/ importenv.pl
 Math/ bigfloat.pl integer.pm

4.1.2.4 Directory: local/lib/perl5/ExtUtils
 MakeMaker.pm Miniperl.pm typemap xsubpp

4.1.2.5 Directory: local/lib/perl5/File
 Basename.pm CheckTree.pm Find.pm Path.pm

4.1.2.6 Directory: local/lib/perl5/Getopt
 Long.pm Std.pm

4.1.2.7 Directory: local/lib/perl5/l18N
 Collate.pm

4.1.2.8 Directory: local/lib/perl5/IPC
 Open2.pm Open3.pm

4.1.2.9 Directory: local/lib/perl5/Math
 BigFloat.pm BigInt.pm Complex.pm

4.1.2.10 Directory: local/lib/perl5/Net
 Ping.pm

4.1.2.11 Directory: local/lib/perl5/Search
 Dict.pm

4.1.2.12 Directory: local/lib/perl5/Sys
 Hostname.pm Syslog.pm

4.1.2.13 Directory: local/lib/perl5/Term
 Cap.pm Complete.pm

4.1.2.14 Directory: local/lib/perl5/Test
 Harness.pm

4.1.2.15 Directory: local/lib/perl5/Text
 Abbrev.pm ParseWords.pm Soundex.pm Tabs.pm

4.1.2.16 Directory: local/lib/perl5/Time
 Local.pm

4.1.2.17 Directory: local/lib/perl5/Tk
 Bitmap.pm Ghostscript.pm Scrollbar.pm
 Button.pm IO.pm ScrolledListbox.pm
 Callback.pm Image.pm SunDragDrop.pm
 Canvas.pm Label.pm Text.pm
 Checkbutton.pm Listbox.pm Text.pm_hide
 ColorEditor.pm MainWindow.pm Tiler.pm
 ColorEditor.xpm Menu.pm Toplevel.pm
 Dialog.pm Menubutton.pm Widget.pm
 English.pm Message.pm Xlib.pm
 Entry.pm Photo.pm chclass
 ErrorDialog.pm Pixmap.pm demos/
 Frame.pm Radiobutton.pm license.terms
 Getopts.pm Scale.pm

4.1.2.18 Directory: local/lib/perl5/Tk/demos

Ball.pm bounce hello rmt tkd
 Makefile.PL browse images/ rolodex widget
 README ce ixset timer widget_lib/

4.1.2.19 Directory: local/lib/perl5/Tk/demos/images

QuitPB.xpm dir.mask grey.25 noletters teapot.ppm
 QuitPBa.xpm face grey.5 page.icon
 c.icon flagdown letters page.mask
 dir.icon flagup ned.xpm pattern

4.1.2.20 Directory: local/lib/perl5/Tk/demos/widget_lib

mkArrow.pl mkEntry2.pl mkListBox.pl mkScroll.pl
 mkBasic.pl mkFloor.pl mkListBox2.pl mkStyles.pl
 mkBitmaps.pl mkForm.pl mkListBox3.pl mkTextBind.pl
 mkButton.pl mkHScale.pl mkPlot.pl mkTextSearch.pl
 mkCanvasText.pl mkIcon.pl mkPuzzle.pl mkTextWind.pl
 mkCheck.pl mkItems.pl mkRadio.pl mkVScale.pl
 mkEntry.pl mkLabel.pl mkRuler.pl showVars.pl

4.1.2.21 Directory: local/lib/perl5/auto

DynaLoader/ Fcntl/ POSIX/ Socket/ Text/ Tk/

4.1.2.22 Directory: local/lib/perl5/auto/DynaLoader

autosplit.ix dl_expandspec.al dl_findfile.al

4.1.2.23 Directory: local/lib/perl5/auto/Fcntl

autosplit.ix

4.1.2.24 Directory: local/lib/perl5/auto/POSIX

abs.al fdopen.al getgroups.al putchar.al strlen.al
 alarm.al feof.al getlogin.al puts.al strncat.al
 assert.al ferror.al getpggrp.al qsort.al strncmp.al
 atan2.al fflush.al getpid.al raise.al stncpy.al
 atexit.al fgetc.al getppid.al rand.al stroul.al
 atof.al fgetpos.al getpwnam.al readdir.al strpbrk.al
 atoi.al fgets.al getpwuid.al realloc.al strchr.al
 atol.al fileno.al gets.al remove.al strspn.al
 autosplit.ix fopen.al getuid.al rename.al strstr.al
 bsearch.al fork.al gmtime.al rewind.al strtod.al
 calloc.al fprintf.al isatty.al rewinddir.al strtok.al
 chdir.al fputc.al kill.al rmdir.al strtol.al
 chmod.al fputs.al labs.al scanf.al system.al
 chown.al fread.al ldiv.al setgid.al tan.al
 clearerr.al free.al link.al setjmp.al time.al
 closedir.al freopen.al localtime.al setuid.al times.al
 cos.al fsconf.al log.al siglongjmp.al tmpfile.al
 creat.al fseek.al longjmp.al sigsetjmp.al tolower.al
 div.al fsetpos.al malloc.al sin.al toupper.al
 errno.al fstat.al memchr.al sleep.al umask.al
 execl.al ftell.al memcmp.al sprintf.al ungetc.al
 execl.al fwrite.al memcpy.al sqrt.al unlink.al
 execlp.al getc.al memmove.al srand.al utime.al
 execv.al getchar.al memset.al sscanf.al vfprintf.al
 execve.al getcwd.al mkdir.al stat.al vprintf.al
 execlp.al getegid.al offsetof.al strcat.al vsprintf.al
 exit.al getenv.al opendir.al strchr.al wait.al
 exp.al geteuid.al perror.al strcmp.al waitpid.al
 fabs.al getgid.al pow.al strcpy.al
 fclose.al getgrgid.al printf.al strcspn.al
 fcntl.al getgrnam.al putc.al strerror.al

4.1.2.25 Directory: local/lib/perl5/auto/Socket

autosplit.ix

4.1.2.26 Directory: local/lib/perl5/auto/Text
ParseWords/

4.1.2.27 Directory: local/lib/perl5/auto/Text/ParseWords
autosplit.ix old_shellwords.al quotewords.al shellwords.al

4.1.2.28 Directory: local/lib/perl5/auto/Tk
autosplit.ix exit.al

4.1.2.29 Directory: local/lib/perl5/sun4-solaris
CORE/ Config.pm auto/ perllocal.pod

4.1.2.30 Directory: local/lib/perl5/sun4-solaris/CORE
EXTERN.h cv.h hv.h patchlevel.h regexp.h
INTERN.h dosish.h keywords.h perl.h scope.h
XSUB.h embed.h libperl.a perly.h sv.h
av.h form.h mg.h pp.h unixish.h
config.h gv.h op.h proto.h util.h
cop.h handy.h opcode.h regcomp.h

4.1.2.31 Directory: local/lib/perl5/sun4-solaris/auto
DynaLoader/ NDBM_File/ SDBM_File/ Text/
Fcntl/ POSIX/ Socket/ Tk/

4.1.2.32 Directory: local/lib/perl5/sun4-solaris/auto/DynaLoader
DynaLoader.a extralibs.ld

4.1.2.33 Directory: local/lib/perl5/sun4-solaris/auto/Fcntl
Fcntl.bs Fcntl.so

4.1.2.34 Directory: local/lib/perl5/sun4-solaris/auto/NDBM_File
NDBM_File.bs NDBM_File.so

4.1.2.35 Directory: local/lib/perl5/sun4-solaris/auto/POSIX
POSIX.bs POSIX.so

4.1.2.36 Directory: local/lib/perl5/sun4-solaris/auto/SDBM_File
SDBM_File.bs SDBM_File.so

4.1.2.37 Directory: local/lib/perl5/sun4-solaris/auto/Socket
Socket.bs Socket.so

4.1.2.38 Directory: local/lib/perl5/sun4-solaris/auto/Text
ParseWords/

4.1.2.39 Directory: local/lib/perl5/sun4-solaris/auto/Text/ParseWords

4.1.2.40 Directory: local/lib/perl5/sun4-solaris/auto/Tk
Tk.bs Tk.so Xlib/

4.1.2.41 Directory: local/lib/perl5/sun4-solaris/auto/Tk/Xlib
Xlib.bs Xlib.so

4.1.2.42 Directory: local/perl5
AddINC.pm Carp.pm Env.pm NDBM_File.pm
AnyDBM_File.pm Cwd.pm Exporter.pm POSIX.pm
AutoLoader.pm DSC.pm Fcntl.pm Pretty.pm
AutoSplit.pm DynaLoader.pm FileHandle.pm
Benchmark.pm English.pm Ghostview.pm

4.2 Changes

4.2.1 Added Files

Modified Files		
Directory	File	Reason
local/etc/httpd/cgi-bin/gmp/perl	PrintDefs.pl	Original Release
local/etc/httpd/cgi-bin/gmp/perl	PrintFile.pl	Original Release

4.2.2 Deleted Files

None.

4.2.3 Modified Files

Modified Files		
Directory	File	Reason
local/etc/httpd/cgi-bin/gmp/perl	ConfigChnl.pl	Determine effective user from database ref., when turning channel off.
local/etc/httpd/cgi-bin/gmp/perl	DefineStream.pl	Issue delete RCB under original name for modify operation affecting stream name. Keep deleted defn for refresh purposes (allow operator to undo mistake)
local/etc/httpd/cgi-bin/gmp/perl	DumpDefs.pl	Revise work form for real-time monitor window launch.
local/etc/httpd/cgi-bin/gmp/perl	ExternalIfs.pl	Add new Term port specification (TermMd_port) and id for kill remote executable (abort). Add semoff parameter to GenRefFxn. Add XtermMon. Add port parameter (defaulted to TermMd_port).
local/etc/httpd/cgi-bin/gmp/perl	GmpSupport.pl	Ensure carriage returns --> multiline separator.
local/etc/httpd/cgi-bin/gmp/perl	LogBrowse.pl	Ensure proper PATH environment variable.
local/etc/httpd/cgi-bin/gmp/perl	MonDefs.pl	Increase display host to 15 character field.
local/etc/httpd/cgi-bin/gmp/perl	NodeDefs.pl	Change INACTIVE interface to SINK interface for external users.
local/etc/httpd/cgi-src/ea	EventAlarm.c	Change warning define.
local/etc/httpd/cgi-src/mond	GMP_Mond.c	Non-blocking connect attempts for various client-end points.

SECTION 5

PROBLEM DISPOSITION

5.1 Problems Closed

5.1.1 SPRs Closed

None.

5.1.2 Anomalies Closed

None.

5.2 Open Problems

5.2.1 SPRs Open

None.

5.2.2 Anomalies Open

None.

SECTION 6

DETAILED BUILD INSTRUCTIONS

6.1 Environment

Using the following procedure(s) will create all directories that are needed for this build. Files must and will be located in the directories stated in Section 4.1 of this document. The list of dependencies listed in section 2 must be met before starting the build.

6.2 Build of GMP Operating Software

For the following procedure the SUN machine used is gmc2. The GMP source files, as listed in Section 4, are located on the same machine as /xyz/home/germann/gmp113.tar.

1. login to the gmc2 machine and untar the gmp113.tar file:


```
telnet gmc2
login: spmc
Password: <enter spmc passwd>
gmc2:/xyz/home/spmc> mkdir -p gmp/build113
gmc2:/xyz/home/spmc> cd gmp/build113
gmc2:/xyz/home/spmc/gmp/build113>tar -xfo
~erik/builds/build113/gmp113.tar
```
2. Build the GMP operating software.


```
gmc2:/xyz/home/spmc> cd local/etc/httpd/cgi-src
gmc2:/xyz/home/spmc/gmp/build112/local/etc/httpd/cgi-src> make
```

6.3 Migration of GMP Operating Software

The entire tree must be migrated to install the GMP software on the target system. Also, the installation and application launch script files must be included.

Step 2 allows for either media or electronic delivery or both.

1. Move to the root directory


```
gmc2:/xyz/home/spmc/gmp/build113/gmp/local/etc/httpd/cgi-src> cd
gmc2:/xyz/home/spmc> cd gmp/build113
```

2. Generate "tar" files


```
gmc2:/xyz/home/spmc/gmp/build113> tar -cf gmp113.tar local
gmc2:/xyz/home/spmc/gmp/build113> cp ~erik/builds/build113/install.tar .
gmc2:/xyz/home/spmc/gmp/build113> cp ~erik/builds/build113/launch.tar .
```
- 3a. Media Delivery

<Place an 8MM tape into the drive.>

```
gmc2:/xyz/home/spmc/gmp/build113> tar -cf /dev/rmt/0 install.tar launch.tar
gmp113.tar
```
- b. Electronic Delivery


```
gmc2:/xyz/home/spmc/gmp/build113> tar -cf gmpdeliv113.tar install.tar
launch.tar gmp113.tar
```

6.4 Installation of GMP Operating Software

6.4.1 Tape Installation

To install the GMP Software from tape media perform the following on the target machine:

1. Log in to the target machine as ops, and move to the /install directory.


```
login: ops
passwd: <enter ops password>
cd install
```
2. Untar the tape to a temporary directory, save the release in the directory /install as a tar file, and then remove the temporary directory.


```
tar -xfo /dev/rmt/0
tar -xfo gmpdeliv113.tar
tar -xfo install.tar
mv launch.tar ~/
cd ~/
tar -xfo launch.tar
```
3. Invoke the perl script "installgmp" in the install directory.


```
cd install
installgmp
```

6.4.2 Disk Installation

To install the GMP Software from disk, perform the following on the target machine:

1. Log in to the target machine as ops, and move to the /install directory.
login: **ops**
passwd: **<enter ops password>**
cd install
2. Move the release from a host machine to the ~ops/install directory.
ftp <host>
cd <host directory>
binary
get gmp/build113/gmpdeliv113.tar
quit
tar -xfo install.tar
mv launch.tar ~/
cd ~/
tar -xfo launch.tar
3. Invoke the perl script "installgmp" in the install directory.
cd install
installgmp

Table 6-1. GMP Post-Build Files

```

local:
drwxr-xr-x 2      512 Aug  4 09:36 bin
drwxr-xr-x 3      512 Aug  4 09:24 etc
drwxr-xr-x 3      512 Aug  4 09:38 lib
drwxr-xr-x 2      512 Aug  4 09:39 perl5

local/bin:
-r-xr-xr-x 1    3076364 Aug  4 09:36 netscape
-r-xr-xr-x 1    3076364 Aug  4 09:36 netscape1_1N
-rw-r--r-- 1     520236 Aug  4 09:36 perl
-rw-r--r-- 1     520236 Aug  4 09:36 perl5.001

local/etc:
drwxr-xr-x 7      512 Aug  4 09:24 httpd

local/etc/httpd:
drwxr-xr-x 4      512 Aug  4 12:14 cgi-bin
drwxr-xr-x 8      512 Aug  4 09:24 cgi-src
drwxr-xr-x 2      512 Aug  4 09:24 conf
drwxr-xr-x 7      512 Aug  4 09:24 htdocs
-rwxr-xr-x 1    545120 Aug  4 09:24 httpd
drwxr-xr-x 2      512 Aug  4 09:24 logs

local/etc/httpd/cgi-bin:
-rwxr-xr-x 1     16744 Aug  4 12:14 DumpExp
-rwxr-xr-x 1     29012 Aug  4 12:14 Explore
-rwxr-xr-x 1    24748 Aug  4 12:14 WinPost
-rwxr-xr-x 1    24080 Aug  4 12:14 bspost
drwxr-xr-x 2      512 Aug  4 09:24 clients
drwxr-xr-x 4      512 Aug  4 09:24 gmp
-rwxr-xr-x 1    26636 Aug  4 12:14 imagemap
-rwxr-xr-x 1    29404 Aug  4 12:14 jj
-rwxr-xr-x 1    36816 Aug  4 12:14 phf
-rwxr-xr-x 1    18604 Aug  4 12:14 post-query
-rwxr-xr-x 1    18244 Aug  4 12:14 query

local/etc/httpd/cgi-bin/clients:
local/etc/httpd/cgi-bin/gmp:
drwxr-xr-x 2      512 Aug  4 12:14 clients
drwxr-xr-x 2     1024 Aug  4 09:24 perl

local/etc/httpd/cgi-bin/gmp/clients:
-rwxr-xr-x 1    27720 Aug  4 12:14 GMP_Client
-rwxr-xr-x 1    22956 Aug  4 12:14 GMP_Mond
-rwxr-xr-x 1    672428 Aug  4 12:14 channels
-rw-r--r-- 1     840 Aug  4 12:14 channels.dat
-rwxr-xr-x 1    185860 Aug  4 12:13 evalm
-rwxr-xr-x 1    673800 Aug  4 12:14 histogram
-rw-r--r-- 1     872 Aug  4 12:14 histogram.dat

local/etc/httpd/cgi-bin/gmp/perl:
-rwxr-xr-x 1     9429 Aug  4 09:24 BrowseDefs.pl
-rwxr-xr-x 1     2592 Aug  4 09:24 CheckPoint.pl
-rwxr-xr-x 1    7112 Aug  4 09:24 ChnlDefs.pl
-rw-r--r-- 1    2066 Aug  4 09:24 CkptDefs.pl
-rwxr-xr-x 1    15577 Aug  4 09:24 ConfigChnl.pl
-rw-r--r-- 1    27236 Aug  4 09:24 DBFiles.pl
-rwxr-xr-x 1    19129 Aug  4 09:24 DefineNode.pl
-rwxr-xr-x 1    12004 Aug  4 09:24 DefineStream.pl
-rw-r--r-- 1     873 Aug  4 09:24 DisplayLaunch.pl
-rwxr-xr-x 1    9543 Aug  4 09:24 Dump.pl

```

```

-rwxr-xr-x 1      7447 Aug  4 09:24 DumpDefs.pl
-rwxr-xr-x 1      1729 Aug  4 09:24 EAlogger.pl
-rwxr-xr-x 1       277 Aug  4 09:24 ExternalDefs.pl
-rw-r--r-- 1    11819 Aug  4 09:24 ExternalIfs.pl
-rwxr-xr-x 1     13244 Aug  4 09:24 Forms.pl
-rwxr-xr-x 1     1607 Aug  4 09:24 GMPHelp.pl
-rw-r--r-- 1     1544 Aug  4 09:24 GmpConf.pl
-rw-r--r-- 1      732 Aug  4 09:24 GmpDefs.pl
-rwxr-xr-x 1    17486 Aug  4 09:24 GmpSupport.pl
-rwxr-xr-x 1     5205 Aug  4 09:24 Ignition.pl
-rwxr-xr-x 1     2973 Aug  4 09:24 LaunchMonitor.pl
-rwxr-xr-x 1     5061 Aug  4 09:24 LogBrowse.pl
-rwxr-xr-x 1     5893 Aug  4 09:24 MnDefs.pl
-rwxr-xr-x 1     7829 Aug  4 09:24 Mnemonics.pl
-rw-r--r-- 1    3836 Aug  4 09:24 MonDefs.pl
-rwxr-xr-x 1     8360 Aug  4 09:24 NodeDefs.pl
-rwxr-xr-x 1     2121 Aug  4 09:24 ParseInput.pl
-rwxr-xr-x 1     3957 Aug  4 09:24 RouteStream.pl
-rwxr-xr-x 1     4995 Aug  4 09:24 ScpConnect.pl
-rwxr-xr-x 1     4172 Aug  4 09:24 ScpDefs.pl
-rwxr-xr-x 1     4620 Aug  4 09:24 StartStop.pl
-rwxr-xr-x 1     9796 Aug  4 09:24 Streams.pl
-rw-rw-rw- 1      948 Aug  4 09:24 channels.dat
-rw-rw-rw- 1      948 Aug  4 09:24 key.dat
-rwxr-xr-x 1      611 Aug  4 09:24 tspan.pl
-rwxr-xr-x 1     1704 Aug  4 09:24 wtail.pl

```

local/etc/httpd/cgi-src:

```

-rw-r--r-- 1     1615 Aug  4 09:24 Makefile
drwxr-xr-x 2      512 Aug  4 12:14 client_server
drwxr-xr-x 2     1024 Aug  4 12:13 ea
drwxr-xr-x 2      512 Aug  4 12:14 explore
drwxr-xr-x 2     1024 Aug  4 12:14 histogram
drwxr-xr-x 2      512 Aug  4 12:14 mond
drwxr-xr-x 2      512 Aug  4 12:14 query

```

local/etc/httpd/cgi-src/client_server:

```

-rwxr-xr-x 1     27720 Aug  4 12:14 GMP_Client
-rw-r--r-- 1    18854 Aug  4 09:24 GMP_Client.c
-rw-r--r-- 1   65388 Aug  4 12:14 GMP_Client.o
-rw-r--r-- 1      722 Aug  4 09:24 Makefile
-rw-r--r-- 1     4915 Aug  4 09:24 SockLib.c
-rw-r--r-- 1      787 Aug  4 09:24 SockLib.h
-rw-r--r-- 1    37940 Aug  4 12:14 SockLib.o

```

local/etc/httpd/cgi-src/ea:

```

-rw-r--r-- 1    19561 Aug  4 09:24 EventAlarm.c
-rw-r--r-- 1      857 Aug  4 09:24 EventAlarm.h
-rw-r--r-- 1    14025 Aug  4 09:24 EventAlarm.i
-rw-r--r-- 1    32756 Aug  4 12:13 EventAlarm.o
-rw-r--r-- 1      240 Aug  4 09:24 lmakefile
-rw-r--r-- 1    10381 Aug  4 09:24 Makefile.bak
-rw-r--r-- 1    16135 Aug  4 09:24 UxMethod.c
-rw-r--r-- 1    22182 Aug  4 09:24 UxXt.c
-rw-r--r-- 1     6155 Aug  4 09:24 UxXt.h
-rw-r--r-- 1       29 Aug  4 09:24 date
-rw-r--r-- 1    12595 Aug  4 09:24 dsimple.c
-rw-r--r-- 1     1636 Aug  4 09:24 dsimple.h
-rw-r--r-- 1     8432 Aug  4 12:13 dsimple.o
-rw-r--r-- 1      765 Aug  4 09:24 ea-tak1.op
-rw-r--r-- 1    1490 Aug  4 09:24 ea-tak1.prj
-rw-r--r-- 1     2678 Aug  4 09:24 ea.c
-rw-r--r-- 1     2716 Aug  4 09:24 ea.mk
-rw-r--r-- 1     1288 Aug  4 12:13 ea.o

```

```

-rw-r--r-- 1      766 Aug  4 09:24 ea.op
-rw-r--r-- 1     4370 Aug  4 09:24 ea.prj
-rwxr-xr-x 1    185860 Aug  4 12:13 evalm
-rw-r--r-- 1      945 Aug  4 09:24 print.ic
-rw-r--r-- 1    244177 Aug  4 09:24 tm
-rw-r--r-- 1    244223 Aug  4 09:24 tmp
-rw-r--r-- 1    11396 Aug  4 09:24 xwd.c
-rw-r--r-- 1     3300 Aug  4 09:24 xwd.man
-rw-r--r-- 1    10387 Aug  4 09:24 xwd.mk
-rw-r--r-- 1    52968 Aug  4 12:13 xwd.o

```

local/etc/httpd/cgi-src/explore:

```

-rw-r--r-- 1     2389 Aug  4 09:24 Dump.sav
-rw-r--r-- 1     2079 Aug  4 09:24 DumpExp.c
-rw-r--r-- 1    10620 Aug  4 12:14 DumpExp.o
-rw-r--r-- 1     2916 Aug  4 09:24 Explore.c
-rw-r--r-- 1      295 Aug  4 09:24 Explore.h
-rw-r--r-- 1    22320 Aug  4 12:14 Explore.o
-rw-r--r-- 1     1278 Aug  4 09:24 Makefile
-rw-r--r-- 1     2564 Aug  4 09:24 WinPost.c
-rw-r--r-- 1    11616 Aug  4 12:14 WinPost.o
-rw-r--r-- 1     2804 Aug  4 09:24 save.c
-rw-r--r-- 1     2868 Aug  4 09:24 util.c
-rw-r--r-- 1     7840 Aug  4 12:14 util.o

```

local/etc/httpd/cgi-src/histogram:

```

-rwxr-xr-x 1    672428 Aug  4 12:14 channels
-rw-r--r-- 1    12061 Aug  4 09:24 channels.XRT
-rw-r--r-- 1     9419 Aug  4 09:24 channels.c
-rw-r--r-- 1      840 Aug  4 09:24 channels.dat
-rw-r--r-- 1    1358 Aug  4 09:24 channels.mak
-rw-r--r-- 1    82300 Aug  4 12:14 channels.o
-rw-r--r-- 1    11709 Aug  4 12:14 channels_xrt.c
-rw-r--r-- 1      279 Aug  4 12:14 channels_xrt.h
-rw-r--r-- 1    1348 Aug  4 12:14 channels_xrt.make
-rw-r--r-- 1    89268 Aug  4 12:14 channels_xrt.o
-rw-r--r-- 1      0 Aug  4 12:14 channels_xrt.res
-rw-r--r-- 1     896 Aug  4 12:14 channels_xrt_main.c
-rwxr-xr-x 1   673800 Aug  4 12:14 histogram
-rw-r--r-- 1    12039 Aug  4 09:24 histogram.XRT
-rw-r--r-- 1    11026 Aug  4 09:24 histogram.c
-rw-r--r-- 1      872 Aug  4 09:24 histogram.dat
-rw-r--r-- 1    1353 Aug  4 09:24 histogram.mak
-rw-r--r-- 1    85296 Aug  4 12:13 histogram.o
-rw-r--r-- 1    11722 Aug  4 12:13 histogram_xrt.c
-rw-r--r-- 1      279 Aug  4 12:13 histogram_xrt.h
-rw-r--r-- 1    1348 Aug  4 12:13 histogram_xrt.make
-rw-r--r-- 1    89336 Aug  4 12:14 histogram_xrt.o
-rw-r--r-- 1      0 Aug  4 12:13 histogram_xrt.res
-rw-r--r-- 1     896 Aug  4 12:13 histogram_xrt_main.c
-rw-r--r-- 1    4948 Aug  4 09:24 keyload.c
-rw-r--r-- 1    1058 Aug  4 09:24 keyload.h
-rw-r--r-- 1    22652 Aug  4 12:13 keyload.o

```

local/etc/httpd/cgi-src/mond:

```

-rwxr-xr-x 1    22956 Aug  4 12:14 GMP_Mond
-rw-r--r-- 1    13805 Aug  4 09:24 GMP_Mond.c
-rw-r--r-- 1     1014 Aug  4 09:24 GMP_Mond.mak
-rw-r--r-- 1    16612 Aug  4 12:14 GMP_Mond.o
-rw-r--r-- 1     4854 Aug  4 09:24 SockLib.c
-rw-r--r-- 1      787 Aug  4 09:24 SockLib.h
-rw-r--r-- 1    6348 Aug  4 12:14 SockLib.o
-rw-r--r-- 1      15 Aug  4 09:24 mond.config

```

local/etc/httpd/cgi-src/query:

```

-rwxr-xr-x 1      1094 Aug  4 09:24 Makefile
-rwxr-xr-x 1     24080 Aug  4 12:14 bspost
-rw-r--r-- 1     2396 Aug  4 09:24 bspost.c
-rw-r--r-- 1    10884 Aug  4 12:14 bspost.o
-rw-r--r-- 1     4704 Aug  4 09:24 change-passwd.c
-rwxr-xr-x 1     26636 Aug  4 12:14 imagemap
-rw-r--r-- 1     7541 Aug  4 09:24 imagemap.c
-rw-r--r-- 1    13124 Aug  4 12:14 imagemap.o
-rwxr-xr-x 1     29404 Aug  4 12:14 jj
-rw-r--r-- 1     9980 Aug  4 09:24 jj.c
-rw-r--r-- 1    19716 Aug  4 12:14 jj.o
-rwxr-xr-x 1     36816 Aug  4 12:14 phf
-rwxr-xr-x 1     7098 Aug  4 09:24 phf.c
-rw-r--r-- 1    25192 Aug  4 12:14 phf.o
-rwxr-xr-x 1     18604 Aug  4 12:14 post-query
-rw-r--r-- 1     1578 Aug  4 09:24 post-query.c
-rw-r--r-- 1     5044 Aug  4 12:14 post-query.o
-rwxr-xr-x 1     18244 Aug  4 12:14 query
-rwxr-xr-x 1     1392 Aug  4 09:24 query.c
-rw-r--r-- 1     4660 Aug  4 12:14 query.o
-rw-r--r-- 1     2868 Aug  4 09:24 util.c
-rw-r--r-- 1     7840 Aug  4 12:14 util.o

```

local/etc/httpd/conf:

```

-rw-r--r-- 1     968 Aug  4 09:24 access.conf
-rw-r--r-- 1     968 Aug  4 09:24 access.conf-dist
-rw-r--r-- 1    1925 Aug  4 09:24 httpd.conf
-rw-r--r-- 1    3297 Aug  4 09:24 mime.types
-rw-r--r-- 1    3362 Aug  4 09:24 srm.conf
-rw-r--r-- 1    3367 Aug  4 09:24 srm.conf-dist

```

local/etc/httpd/htdocs:

```

-rwxr-xr-x 1     385 Aug  4 09:24 calendar
drwxr-xr-x 2    1024 Aug  4 09:24 data
drwxr-xr-x 4     512 Aug  4 09:24 gmp
-rw-r--r-- 1    2052 Aug  4 09:24 gmp.html
-rw-r--r-- 1    6473 Aug  4 09:24 guestbook.html
drwxr-xr-x 3     512 Aug  4 09:24 images
drwxr-xr-x 2     512 Aug  4 09:24 maps
drwxr-xr-x 2     512 Aug  4 09:24 sounds

```

local/etc/httpd/htdocs/data:

```

-rw-r--r-- 1     17 Aug  4 09:24 10
-rw-r--r-- 1    192 Aug  4 09:24 README
-rw-r--r-- 1     6 Aug  4 09:24 asm_ctx.db
-rw-r--r-- 1    135 Aug  4 09:24 asmdefs.db
-rw-r--r-- 1     6 Aug  4 09:24 cdr_ctx.db
-rw-r--r-- 1   3606 Aug  4 09:24 datatype_mn.db
-rw-r--r-- 1     29 Aug  4 09:24 date
-rw-r--r-- 1    2628 Aug  4 09:24 dude.chan
-rw-r--r-- 1   30688 Aug  4 09:24 ea.log
-rw-r--r-- 1    2628 Aug  4 09:24 fg1_channels.db
-rw-r--r-- 1    960 Aug  4 09:24 mea_log_proto.sav
-rw-r--r-- 1    960 Aug  4 09:24 mea_log_txt.bak
-rw-r--r-- 1   1499 Aug  4 09:24 nodes.db
-rw-r--r-- 1   4965 Aug  4 09:24 sfg1_channels.db
-rw-r--r-- 1   4217 Aug  4 09:24 sfg1_dests.db
-rw-r--r-- 1   2279 Aug  4 09:24 sfg1_dests.db.sav
-rw-r--r-- 1   1192 Aug  4 09:24 sfg1_dumps.db
-rw-r--r-- 1    268 Aug  4 09:24 sfg1_scps.db
-rw-r--r-- 1  15463 Aug  4 09:24 sfg1_streams.db
-rw-r--r-- 1   2820 Aug  4 09:24 sfg2_channels.db
-rw-r--r-- 1    593 Aug  4 09:24 sfg2_dumps.db

```

```

-rw-r--r-- 1      250 Aug  4 09:24 sfg2_scps.db
-rw-r--r-- 1    13411 Aug  4 09:24 sfg2_streams.db
-rw-r--r-- 1     2820 Aug  4 09:24 sfg3_channels.db
-rw-r--r-- 1     1138 Aug  4 09:24 sfg3_dumps.db
-rw-r--r-- 1      250 Aug  4 09:24 sfg3_scps.db
-rw-r--r-- 1    13778 Aug  4 09:24 sfg3_streams.db
-rw-r--r-- 1     649 Aug  4 09:24 sfg3_streams.db.bak
-rw-r--r-- 1       6 Aug  4 09:24 sfg_ctx.db
-rw-r--r-- 1     7097 Aug  4 09:24 spacecraft_mn.db
-rw-r--r-- 1    14353 Aug  4 09:24 streams.db.bak
-rw-r--r-- 1     610 Aug  4 09:24 streams.db.demo

```

local/etc/httpd/htdocs/gmp:

```

drwxr-xr-x 3      512 Aug  4 09:24 html
drwxr-xr-x 2     1024 Aug  4 09:24 images

```

local/etc/httpd/htdocs/gmp/html:

```

-rw-r--r-- 1      840 Aug  4 09:24 ActiveSC.html
-rwxr-xr-x 1    13884 Aug  4 09:24 ConfigChnl.pl
-rw-r--r-- 1     623 Aug  4 09:24 LogSearch.html
-rw-r--r-- 1     116 Aug  4 09:24 blah.html
-rw-r--r-- 1     707 Aug  4 09:24 controls.html
-rw-r--r-- 1      29 Aug  4 09:24 date
-rw-r--r-- 1     488 Aug  4 09:24 defns.html
-rw-r--r-- 1     798 Aug  4 09:24 eg.html
-rw-r--r-- 1     453 Aug  4 09:24 gmphelp.html
drwxr-xr-x 2      512 Aug  4 09:24 help
-rw-r--r-- 1     116 Aug  4 09:24 specs.html

```

local/etc/httpd/htdocs/gmp/html/help:

```

-rw-r--r-- 1      873 Aug  4 09:24 gmpnav.html

```

local/etc/httpd/htdocs/gmp/images:

```

-rw-r--r-- 1     177 Aug  4 09:24 a_down.gif
-rw-r--r-- 1     207 Aug  4 09:24 a_left.gif
-rw-r--r-- 1     207 Aug  4 09:24 a_right.gif
-rw-r--r-- 1     207 Aug  4 09:24 a_right.gif.bak
-rw-r--r-- 1     314 Aug  4 09:24 a_right_red.gif
-rw-r--r-- 1     206 Aug  4 09:24 a_up.gif
-rw-r--r-- 1     501 Aug  4 09:24 battlement.gif
-rw-r--r-- 1     434 Aug  4 09:24 book.gif
-rw-r--r-- 1     396 Aug  4 09:24 button_home.gif
-rw-r--r-- 1     308 Aug  4 09:24 compass.gif
-rw-r--r-- 1    20899 Aug  4 09:24 dsnovw.gif
-rw-r--r-- 1     187 Aug  4 09:24 exclamw.gif
-rw-r--r-- 1     369 Aug  4 09:24 eye.gif
-rw-r--r-- 1     497 Aug  4 09:24 granite_left.gif
-rw-r--r-- 1     483 Aug  4 09:24 granite_right.gif
-rw-r--r-- 1     124 Aug  4 09:24 groove_wide.gif
-rw-r--r-- 1     202 Aug  4 09:24 help.gif
-rw-r--r-- 1    1357 Aug  4 09:24 jpl_logo.gif
-rw-r--r-- 1     268 Aug  4 09:24 key.gif
-rw-r--r-- 1    1131 Aug  4 09:24 line.gif
-rw-r--r-- 1    2219 Aug  4 09:24 nasa.gif
-rw-r--r-- 1     232 Aug  4 09:24 question.gif
-rw-r--r-- 1    2243 Aug  4 09:24 rainbow.gif
-rw-r--r-- 1     982 Aug  4 09:24 rb11.gif
-rw-r--r-- 1     493 Aug  4 09:24 ret-ar.gif
-rw-r--r-- 1     366 Aug  4 09:24 return-arrow.gif
-rw-r--r-- 1     340 Aug  4 09:24 stats.gif
-rw-r--r-- 1     262 Aug  4 09:24 stats2.gif
-rw-r--r-- 1     299 Aug  4 09:24 stats_graph.gif
-rw-r--r-- 1    1266 Aug  4 09:24 testtest.gif

```

local/etc/httpd/htdocs/images:

```
-rw-r--r-- 1      29297 Aug  4 09:24 anthveh.gif
-rw-r--r-- 1     62695 Aug  4 09:24 anthveh.jpg
-rw-r--r-- 1     14793 Aug  4 09:24 g.au
-rw-r--r-- 1     19368 Aug  4 09:24 garcia.gif
-rw-r--r-- 1     30298 Aug  4 09:24 gd1.gif
-rw-r--r-- 1     15229 Aug  4 09:24 gd2.gif
drwxr-xr-x 2      2048 Aug  4 09:24 icons
-rw-r--r-- 1      642 Aug  4 09:24 samples.htm
-rw-r--r-- 1     97018 Aug  4 09:24 skel.gif
```

local/etc/httpd/htdocs/images/icons:

```
-rw-r--r-- 1      177 Aug  4 09:24 a_down.gif
-rw-r--r-- 1      207 Aug  4 09:24 a_left.gif
-rw-r--r-- 1      207 Aug  4 09:24 a_right.gif
-rw-r--r-- 1      206 Aug  4 09:24 a_up.gif
-rw-r--r-- 1      279 Aug  4 09:24 back.gif
-rw-r--r-- 1      375 Aug  4 09:24 bang.gif
-rw-r--r-- 1      166 Aug  4 09:24 base.gif
-rw-r--r-- 1      501 Aug  4 09:24 battlement.gif
-rw-r--r-- 1      441 Aug  4 09:24 bigwarn.gif
-rw-r--r-- 1      948 Aug  4 09:24 binary.gif
-rw-r--r-- 1      285 Aug  4 09:24 bob.gif
-rw-r--r-- 1      434 Aug  4 09:24 book.gif
-rw-r--r-- 1      98 Aug  4 09:24 bottom_divider.gif
-rw-r--r-- 1      396 Aug  4 09:24 button_home.gif
-rw-r--r-- 1      328 Aug  4 09:24 button_search.gif
-rw-r--r-- 1    12984 Aug  4 09:24 circuit.gif
-rw-r--r-- 1      308 Aug  4 09:24 compass.gif
-rw-r--r-- 1      635 Aug  4 09:24 coolbar.gif
-rw-r--r-- 1      836 Aug  4 09:24 dblank.gif
-rw-r--r-- 1      98 Aug  4 09:24 divider_top.gif
-rw-r--r-- 1      174 Aug  4 09:24 exclam.gif
-rw-r--r-- 1      187 Aug  4 09:24 exclamw.gif
-rw-r--r-- 1      369 Aug  4 09:24 eye.gif
-rw-r--r-- 1      232 Aug  4 09:24 eyeline.gif
-rw-r--r-- 1      458 Aug  4 09:24 file.xbm
-rw-r--r-- 1      284 Aug  4 09:24 finger.gif
-rw-r--r-- 1      942 Aug  4 09:24 ftp.gif
-rw-r--r-- 1      275 Aug  4 09:24 fwd.gif
-rw-r--r-- 1      289 Aug  4 09:24 fwd2.gif
-rw-r--r-- 1     1155 Aug  4 09:24 go_to.gif
-rw-r--r-- 1      497 Aug  4 09:24 granite_left.gif
-rw-r--r-- 1      483 Aug  4 09:24 granite_right.gif
-rw-r--r-- 1      124 Aug  4 09:24 groove_wide.gif
-rw-r--r-- 1      202 Aug  4 09:24 help.gif
-rw-r--r-- 1      357 Aug  4 09:24 help2.gif
-rw-r--r-- 1      268 Aug  4 09:24 here.gif
-rw-r--r-- 1      267 Aug  4 09:24 home_blue.gif
-rw-r--r-- 1     5178 Aug  4 09:24 httpdicon.gif
-rw-r--r-- 1      424 Aug  4 09:24 httpd1.gif
-rw-r--r-- 1     2108 Aug  4 09:24 icon.gif
-rw-r--r-- 1      289 Aug  4 09:24 icons.gif
-rw-r--r-- 1      935 Aug  4 09:24 image.gif
-rw-r--r-- 1      407 Aug  4 09:24 images.gif
-rw-r--r-- 1      947 Aug  4 09:24 index.gif
-rw-r--r-- 1      315 Aug  4 09:24 keyboard.gif
-rw-r--r-- 1      169 Aug  4 09:24 l_black.gif
-rw-r--r-- 1      190 Aug  4 09:24 l_blue.gif
-rw-r--r-- 1      177 Aug  4 09:24 l_green.gif
-rw-r--r-- 1      177 Aug  4 09:24 l_grey.gif
-rw-r--r-- 1      226 Aug  4 09:24 l_orange.gif
-rw-r--r-- 1      211 Aug  4 09:24 l_purple.gif
-rw-r--r-- 1      162 Aug  4 09:24 l_red.gif
```

```

-rw-r--r-- 1      175 Aug  4 09:24 l_white.gif
-rw-r--r-- 1     1131 Aug  4 09:24 line.gif
-rw-r--r-- 1      950 Aug  4 09:24 lion.gif
-rw-r--r-- 1      227 Aug  4 09:24 lookru12.gif
-rw-r--r-- 1     1210 Aug  4 09:24 mailbox.gif
-rw-r--r-- 1      929 Aug  4 09:24 menu.gif
-rw-r--r-- 1      938 Aug  4 09:24 movie.gif
-rw-r--r-- 1      116 Aug  4 09:24 new.gif
-rw-r--r-- 1      264 Aug  4 09:24 note.gif
-rw-r--r-- 1      213 Aug  4 09:24 oct-stop.gif
-rw-r--r-- 1      883 Aug  4 09:24 parent.gif
-rw-r--r-- 1     3443 Aug  4 09:24 people.gif
-rw-r--r-- 1      232 Aug  4 09:24 question.gif
-rw-r--r-- 1     2243 Aug  4 09:24 rainbow.gif
-rw-r--r-- 1      982 Aug  4 09:24 rball1.gif
-rw-r--r-- 1      326 Aug  4 09:24 redball.gif
-rw-r--r-- 1      354 Aug  4 09:24 return-arrow.gif
-rw-r--r-- 1      295 Aug  4 09:24 search.gif
-rw-r--r-- 1      959 Aug  4 09:24 sound.gif
-rw-r--r-- 1      384 Aug  4 09:24 speaker.gif
-rw-r--r-- 1      340 Aug  4 09:24 stats.gif
-rw-r--r-- 1      262 Aug  4 09:24 stats2.gif
-rw-r--r-- 1      299 Aug  4 09:24 stats_graph.gif
-rw-r--r-- 1      218 Aug  4 09:24 stop.gif
-rw-r--r-- 1      937 Aug  4 09:24 telnet.gif
-rw-r--r-- 1      926 Aug  4 09:24 text.gif
-rw-r--r-- 1      541 Aug  4 09:24 tightrope.gif
-rw-r--r-- 1      435 Aug  4 09:24 tools.gif
-rw-r--r-- 1      286 Aug  4 09:24 top.gif
-rw-r--r-- 1      921 Aug  4 09:24 unknown.gif
-rw-r--r-- 1      264 Aug  4 09:24 up.gif
-rw-r--r-- 1      279 Aug  4 09:24 warning.gif
-rw-r--r-- 1      496 Aug  4 09:24 warp_speed.gif
-rw-r--r-- 1     3036 Aug  4 09:24 waveline.gif
-rw-r--r-- 1      203 Aug  4 09:24 whitebal.gif
-rw-r--r-- 1      302 Aug  4 09:24 winsock.gif
-rw-r--r-- 1      261 Aug  4 09:24 winsock2.gif
-rw-r--r-- 1     4224 Aug  4 09:24 xyz.gif
-rw-r--r-- 1      326 Aug  4 09:24 yellowba.gif

```

local/etc/httpd/htdocs/maps:

```

-rw-r--r-- 1      157 Aug  4 09:24 skel.map

```

local/etc/httpd/htdocs/sounds:

```

-rw-r--r-- 1     66846 Aug  4 09:24 hahem.au

```

local/etc/httpd/logs:

```

-rw-r--r-- 1     850996 Aug  4 09:24 access_log
-rw-r--r-- 1     207410 Aug  4 09:24 error_log
-rw-r--r-- 1         4 Aug  4 09:24 httpd.pid

```

local/lib:

```

drwxr-xr-x 18      2048 Aug  4 09:39 perl5

```

local/lib/perl5:

```

-rw-r--r-- 1     2446 Aug  4 09:38 AddINC.pm
-rw-r--r-- 1      241 Aug  4 09:38 AnyDBM_File.pm
-r--r--r-- 1     715 Aug  4 09:38 AutoLoader.pm
-r--r--r-- 1     7529 Aug  4 09:38 AutoSplit.pm
-rw-r--r-- 1     6563 Aug  4 09:38 Benchmark.pm
-r--r--r-- 1     1127 Aug  4 09:38 Carp.pm
-r--r--r-- 1     3959 Aug  4 09:38 Cwd.pm
-rw-r--r-- 1     3366 Aug  4 09:38 DSC.pm
-r--r--r-- 1     8810 Aug  4 09:38 DynaLoader.pm

```

```

-r--r--r-- 1      2406 Aug  4 09:38 English.pm
-rw-r--r-- 1      1430 Aug  4 09:38 Env.pm
-r--r--r-- 1      3791 Aug  4 09:38 Exporter.pm
drwxr-xr-x 2        512 Aug  4 09:39 ExtUtils
-r--r--r-- 1      1178 Aug  4 09:38 Fcntl.pm
drwxr-xr-x 2        512 Aug  4 09:39 File
-rw-r--r-- 1      3700 Aug  4 09:38 FileHandle.pm
drwxr-xr-x 2        512 Aug  4 09:39 Getopt
-rw-r--r-- 1      2971 Aug  4 09:38 Ghostview.pm
drwxr-xr-x 2        512 Aug  4 09:39 I18N
drwxr-xr-x 2        512 Aug  4 09:39 IPC
drwxr-xr-x 2        512 Aug  4 09:39 Math
-rw-r--r-- 1       123 Aug  4 09:38 NDBM_File.pm
drwxr-xr-x 2        512 Aug  4 09:39 Net
-r--r--r-- 1     19704 Aug  4 09:38 POSIX.pm
-rw-r--r-- 1      1469 Aug  4 09:38 Pretty.pm
-rw-r--r-- 1       123 Aug  4 09:38 SDBM_File.pm
drwxr-xr-x 2        512 Aug  4 09:39 Search
-rw-r--r-- 1       769 Aug  4 09:38 Shell.pm
-r--r--r-- 1      1790 Aug  4 09:38 Socket.pm
-r--r--r-- 1      3094 Aug  4 09:38 SubstrHash.pm
drwxr-xr-x 2        512 Aug  4 09:39 Sys
drwxr-xr-x 2        512 Aug  4 09:39 Term
drwxr-xr-x 2        512 Aug  4 09:39 Test
drwxr-xr-x 2        512 Aug  4 09:39 Text
-r--r--r-- 1     1209 Aug  4 09:38 TieHash.pm
drwxr-xr-x 2        512 Aug  4 09:39 Time
drwxr-xr-x 3       1024 Aug  4 09:39 Tk
-rw-r--r-- 1     10204 Aug  4 09:38 Tk.pm
-rw-r--r-- 1       551 Aug  4 09:38 abbrev.pl
-r--r--r-- 1     1298 Aug  4 09:38 assert.pl
drwxr-xr-x 8        512 Aug  4 09:39 auto
-rw-r--r-- 1     6711 Aug  4 09:38 bigfloat.pl
-rw-r--r-- 1     7623 Aug  4 09:38 bigint.pl
-r--r--r-- 1     4241 Aug  4 09:38 bigrat.pl
-rw-r--r-- 1       846 Aug  4 09:38 cacheout.pl
-rw-r--r-- 1     13006 Aug  4 09:38 chat2.inter
-rw-r--r-- 1     9619 Aug  4 09:38 chat2.pl
-rw-r--r-- 1     2855 Aug  4 09:38 complete.pl
-rw-r--r-- 1     1707 Aug  4 09:38 ctime.pl
-rw-r--r-- 1     1990 Aug  4 09:39 dotsh.pl
-rw-r--r-- 1     1012 Aug  4 09:39 dumpvar.pl
-rw-r--r-- 1     1500 Aug  4 09:39 exceptions.pl
-rw-r--r-- 1       754 Aug  4 09:39 fastcwd.pl
-rw-r--r-- 1     2522 Aug  4 09:39 find.pl
-rw-r--r-- 1     2417 Aug  4 09:39 finddepth.pl
-rw-r--r-- 1       368 Aug  4 09:39 flush.pl
-rw-r--r-- 1    23734 Aug  4 09:39 ftp.pl
-rw-r--r-- 1     1133 Aug  4 09:39 getcwd.pl
-rw-r--r-- 1     1042 Aug  4 09:39 getopt.pl
-rw-r--r-- 1     955 Aug  4 09:39 getopts.pl
-rw-r--r-- 1     451 Aug  4 09:39 hostname.pl
-rw-r--r-- 1     355 Aug  4 09:39 importenv.pl
-rw-r--r-- 1       84 Aug  4 09:39 integer.pm
-rw-r--r-- 1       17 Aug  4 09:39 less.pm
-rw-r--r-- 1     1024 Aug  4 09:39 look.pl
-rw-r--r-- 1       108 Aug  4 09:39 nTk.pm
-rw-r--r-- 1     7685 Aug  4 09:39 newgetopt.pl
-rw-r--r-- 1     1549 Aug  4 09:39 open2.pl
-rw-r--r-- 1     3015 Aug  4 09:39 open3.pl
-r--r--r-- 1    15090 Aug  4 09:39 perl5db.pl
-r--r--r-- 1     1146 Aug  4 09:39 pwd.pl
-rw-r--r-- 1       880 Aug  4 09:39 shellwords.pl
-rw-r--r-- 1     1181 Aug  4 09:39 sigtrap.pm

```

```

-rw-r--r-- 1      658 Aug  4 09:39 stat.pl
-rw-r--r-- 1      377 Aug  4 09:39 strict.pm
-rw-r--r-- 1      228 Aug  4 09:39 subs.pm
drwxr-xr-x 4      512 Aug  4 09:39 sun4-solaris
-rw-r--r-- 1     4527 Aug  4 09:39 syslog.pl
-rw-r--r-- 1      164 Aug  4 09:39 tainted.pl
-rw-r--r-- 1     3679 Aug  4 09:39 termcap.pl
-rw-r--r-- 1     3536 Aug  4 09:39 timelocal.pl
-rw-r--r-- 1     3803 Aug  4 09:39 validate.pl

```

local/lib/perl5/ExtUtils:

```

-r--r--r-- 1     72681 Aug  4 09:39 MakeMaker.pm
-r--r--r-- 1     2060 Aug  4 09:39 Miniperl.pm
-r--r--r-- 1     5898 Aug  4 09:39 typemap
-r--r--r-- 1    14810 Aug  4 09:39 xsubpp

```

local/lib/perl5/File:

```

-r--r--r-- 1     4845 Aug  4 09:39 Basename.pm
-r--r--r-- 1     3875 Aug  4 09:39 CheckTree.pm
-r--r--r-- 1     5500 Aug  4 09:39 Find.pm
-r--r--r-- 1     4079 Aug  4 09:39 Path.pm

```

local/lib/perl5/Getopt:

```

-r--r--r-- 1    15142 Aug  4 09:39 Long.pm
-rw-r--r-- 1     2303 Aug  4 09:39 Std.pm

```

local/lib/perl5/l18N:

```

-rw-r--r-- 1     2297 Aug  4 09:39 Collate.pm

```

local/lib/perl5/IPC:

```

-rw-r--r-- 1     1647 Aug  4 09:39 Open2.pm
-rw-r--r-- 1     3116 Aug  4 09:39 Open3.pm

```

local/lib/perl5/Math:

```

-rw-r--r-- 1     8137 Aug  4 09:39 BigFloat.pm
-r--r--r-- 1     9700 Aug  4 09:39 BigInt.pm
-rw-r--r-- 1     3165 Aug  4 09:39 Complex.pm

```

local/lib/perl5/Net:

```

-rw-r--r-- 1     1345 Aug  4 09:39 Ping.pm

```

local/lib/perl5/Search:

```

-rw-r--r-- 1     1121 Aug  4 09:39 Dict.pm

```

local/lib/perl5/Sys:

```

-rw-r--r-- 1     1013 Aug  4 09:39 Hostname.pm
-r--r--r-- 1     4602 Aug  4 09:39 Syslog.pm

```

local/lib/perl5/Term:

```

-r--r--r-- 1     7930 Aug  4 09:39 Cap.pm
-rw-r--r-- 1     2869 Aug  4 09:39 Complete.pm

```

local/lib/perl5/Test:

```

-rw-r--r-- 1     2021 Aug  4 09:39 Harness.pm

```

local/lib/perl5/Text:

```

-rw-r--r-- 1     593 Aug  4 09:39 Abbrev.pm
-rw-r--r-- 1     4815 Aug  4 09:39 ParseWords.pm
-rw-r--r-- 1     1735 Aug  4 09:39 Soundex.pm
-r--r--r-- 1     683 Aug  4 09:39 Tabs.pm

```

local/lib/perl5/Time:

```

-rw-r--r-- 1     3430 Aug  4 09:39 Local.pm

```

local/lib/perl5/Tk:

```

-rw-r--r-- 1      79 Aug 4 09:39 Bitmap.pm
-rw-r--r-- 1    3433 Aug 4 09:39 Button.pm
-rw-r--r-- 1    1417 Aug 4 09:39 Callback.pm
-rw-r--r-- 1     118 Aug 4 09:39 Canvas.pm
-rw-r--r-- 1     859 Aug 4 09:39 Checkbutton.pm
-rw-r--r-- 1   23414 Aug 4 09:39 ColorEditor.pm
-rw-r--r-- 1    2683 Aug 4 09:39 ColorEditor.xpm
-rw-r--r-- 1    6847 Aug 4 09:39 Dialog.pm
-rw-r--r-- 1    6036 Aug 4 09:39 English.pm
-rw-r--r-- 1   17605 Aug 4 09:39 Entry.pm
-rw-r--r-- 1    4983 Aug 4 09:39 ErrorDialog.pm
-rw-r--r-- 1     115 Aug 4 09:39 Frame.pm
-rw-r--r-- 1    8471 Aug 4 09:39 Getopts.pm
-rw-r--r-- 1    4809 Aug 4 09:39 Ghostscript.pm
-rw-r--r-- 1     882 Aug 4 09:39 IO.pm
-rw-r--r-- 1    1053 Aug 4 09:39 Image.pm
-rw-r--r-- 1     175 Aug 4 09:39 Label.pm
-rw-r--r-- 1   13801 Aug 4 09:39 Listbox.pm
-rw-r--r-- 1     396 Aug 4 09:39 MainWindow.pm
-rw-r--r-- 1   19911 Aug 4 09:39 Menu.pm
-rw-r--r-- 1    8370 Aug 4 09:39 Menubutton.pm
-rw-r--r-- 1     177 Aug 4 09:39 Message.pm
-rw-r--r-- 1     77 Aug 4 09:39 Photo.pm
-rw-r--r-- 1     80 Aug 4 09:39 Pixmap.pm
-rw-r--r-- 1     827 Aug 4 09:39 Radiobutton.pm
-rw-r--r-- 1    6856 Aug 4 09:39 Scale.pm
-rw-r--r-- 1    9001 Aug 4 09:39 Scrollbar.pm
-rw-r--r-- 1     849 Aug 4 09:39 ScrolledListbox.pm
-rw-r--r-- 1    8570 Aug 4 09:39 SunDragDrop.pm
-rw-r--r-- 1   24251 Aug 4 09:39 Text.pm
-rw-r--r-- 1   24246 Aug 4 09:39 Text.pm_hide
-rw-r--r-- 1    3482 Aug 4 09:39 Tiler.pm
-rw-r--r-- 1    1281 Aug 4 09:39 Toplevel.pm
-rw-r--r-- 1    3029 Aug 4 09:39 Widget.pm
-rw-r--r-- 1     165 Aug 4 09:39 Xlib.pm
-rwxr-xr-x 1     107 Aug 4 09:39 chclass
drwxr-xr-x 4     512 Aug 4 09:39 demos
-r--r--r-- 1   1791 Aug 4 09:39 license.terms

```

local/lib/perl5/Tk/demos:

```

-rw-r--r-- 1    2617 Aug 4 09:39 Ball.pm
-rw-r--r-- 1     899 Aug 4 09:39 Makefile.PL
-rw-r--r-- 1   3169 Aug 4 09:39 README
-rwxr-xr-x 1    6221 Aug 4 09:39 bounce
-rwxr-xr-x 1    1898 Aug 4 09:39 browse
-rwxr-xr-x 1    1041 Aug 4 09:39 ce
-rwxr-xr-x 1     647 Aug 4 09:39 hello
drwxr-xr-x 2     512 Aug 4 09:39 images
-rwxr-xr-x 1    7904 Aug 4 09:39 ixset
-rwxr-xr-x 1    6337 Aug 4 09:39 rmt
-rwxr-xr-x 1    9243 Aug 4 09:39 rolodex
-rwxr-xr-x 1    1057 Aug 4 09:39 timer
-rwxr-xr-x 1    1589 Aug 4 09:39 tkd
-rwxr-xr-x 1   11386 Aug 4 09:39 widget
drwxr-xr-x 2    1024 Aug 4 09:39 widget_lib

```

local/lib/perl5/Tk/demos/images:

```

-rw-r--r-- 1    2871 Aug 4 09:39 QuitPB.xpm
-rw-r--r-- 1    2872 Aug 4 09:39 QuitPBa.xpm
-rw-r--r-- 1     929 Aug 4 09:39 c.icon
-rw-r--r-- 1     959 Aug 4 09:39 dir.icon
-rw-r--r-- 1     959 Aug 4 09:39 dir.mask

```

```

-rw-r--r-- 1      12720 Aug  4 09:39 face
-rw-r--r-- 1      1886 Aug  4 09:39 flagdown
-rw-r--r-- 1      1880 Aug  4 09:39 flagup
-rw-r--r-- 1       275 Aug  4 09:39 grey.25
-rw-r--r-- 1       275 Aug  4 09:39 grey.5
-rw-r--r-- 1      1883 Aug  4 09:39 letters
-rw-r----- 1     4231 Aug  4 09:39 ned.xpm
-rw-r--r-- 1      1889 Aug  4 09:39 noletters
-rw-r--r-- 1       944 Aug  4 09:39 page.icon
-rw-r--r-- 1       944 Aug  4 09:39 page.mask
-rw-r--r-- 1       272 Aug  4 09:39 pattern
-r--r--r-- 1    196623 Aug  4 09:39 teapot.ppm

```

local/lib/perl5/Tk/demos/widget_lib:

```

-rw-r--r-- 1      8831 Aug  4 09:39 mkArrow.pl
-rw-r--r-- 1     3268 Aug  4 09:39 mkBasic.pl
-rw-r--r-- 1     1839 Aug  4 09:39 mkBitmaps.pl
-rw-r--r-- 1     1463 Aug  4 09:39 mkButton.pl
-rw-r--r-- 1     6206 Aug  4 09:39 mkCanvText.pl
-rw-r--r-- 1     1974 Aug  4 09:39 mkCheck.pl
-rw-r--r-- 1     2063 Aug  4 09:39 mkEntry.pl
-rw-r--r-- 1     2966 Aug  4 09:39 mkEntry2.pl
-rw-r--r-- 1    101410 Aug  4 09:39 mkFloor.pl
-rw-r--r-- 1     1234 Aug  4 09:39 mkForm.pl
-rw-r--r-- 1     1832 Aug  4 09:39 mkHScale.pl
-rw-r--r-- 1     2447 Aug  4 09:39 mkIcon.pl
-rw-r--r-- 1     12692 Aug  4 09:39 mkItems.pl
-rw-r--r-- 1     1730 Aug  4 09:39 mkLabel.pl
-rw-r--r-- 1     1991 Aug  4 09:39 mkListBox.pl
-rw-r--r-- 1     5341 Aug  4 09:39 mkListBox2.pl
-rw-r--r-- 1     2522 Aug  4 09:39 mkListBox3.pl
-rw-r--r-- 1     3065 Aug  4 09:39 mkPlot.pl
-rw-r--r-- 1     2713 Aug  4 09:39 mkPuzzle.pl
-rw-r--r-- 1     3641 Aug  4 09:39 mkRadio.pl
-rw-r--r-- 1     4745 Aug  4 09:39 mkRuler.pl
-rw-r--r-- 1     3458 Aug  4 09:39 mkScroll.pl
-rw-r--r-- 1     8451 Aug  4 09:39 mkStyles.pl
-rw-r--r-- 1     3083 Aug  4 09:39 mkTextBind.pl
-rw-r--r-- 1     6015 Aug  4 09:39 mkTextSearch.pl
-rw-r--r-- 1     9486 Aug  4 09:39 mkTextWind.pl
-rw-r--r-- 1     1769 Aug  4 09:39 mkVScale.pl
-rw-r--r-- 1     1113 Aug  4 09:39 showVars.pl

```

local/lib/perl5/auto:

```

drwxr-xr-x 2      512 Aug  4 09:39 DynaLoader
drwxr-xr-x 2      512 Aug  4 09:39 Fcntl
drwxr-xr-x 2     3072 Aug  4 09:39 POSIX
drwxr-xr-x 2      512 Aug  4 09:39 Socket
drwxr-xr-x 3      512 Aug  4 09:39 Text
drwxr-xr-x 2      512 Aug  4 09:39 Tk

```

local/lib/perl5/auto/DynaLoader:

```

-r--r--r-- 1      120 Aug  4 09:39 autosplit.ix
-r--r--r-- 1     1111 Aug  4 09:39 dl_expandspec.ai
-r--r--r-- 1     2731 Aug  4 09:39 dl_findfile.ai

```

local/lib/perl5/auto/Fcntl:

```

-r--r--r-- 1       77 Aug  4 09:39 autosplit.ix

```

local/lib/perl5/auto/POSIX:

```

-r--r--r-- 1      153 Aug  4 09:39 abs.ai
-r--r--r-- 1      165 Aug  4 09:39 alarm.ai
-r--r--r-- 1      197 Aug  4 09:39 assert.ai
-r--r--r-- 1      168 Aug  4 09:39 atan2.ai

```

```

-r--r--r-- 1      166 Aug 4 09:39 atexit.al
-r--r--r-- 1      151 Aug 4 09:39 atof.al
-r--r--r-- 1      151 Aug 4 09:39 atoi.al
-r--r--r-- 1      151 Aug 4 09:39 atol.al
-r--r--r-- 1     2011 Aug 4 09:39 autosplit.ix
-r--r--r-- 1      170 Aug 4 09:39 bsearch.al
-r--r--r-- 1      155 Aug 4 09:39 calloc.al
-r--r--r-- 1      167 Aug 4 09:39 chdir.al
-r--r--r-- 1      179 Aug 4 09:39 chmod.al
-r--r--r-- 1      190 Aug 4 09:39 chown.al
-r--r--r-- 1      158 Aug 4 09:39 clearerr.al
-r--r--r-- 1      197 Aug 4 09:39 closedir.al
-r--r--r-- 1      153 Aug 4 09:39 cos.al
-r--r--r-- 1      212 Aug 4 09:39 creat.al
-r--r--r-- 1      149 Aug 4 09:39 div.al
-r--r--r-- 1      152 Aug 4 09:39 errno.al
-r--r--r-- 1      171 Aug 4 09:39 execl.al
-r--r--r-- 1      174 Aug 4 09:39 execl.e.al
-r--r--r-- 1      174 Aug 4 09:39 execlp.al
-r--r--r-- 1      171 Aug 4 09:39 execv.al
-r--r--r-- 1      174 Aug 4 09:39 execve.al
-r--r--r-- 1      174 Aug 4 09:39 execvp.al
-r--r--r-- 1      161 Aug 4 09:39 exit.al
-r--r--r-- 1      153 Aug 4 09:39 exp.al
-r--r--r-- 1      155 Aug 4 09:39 fabs.al
-r--r--r-- 1      154 Aug 4 09:39 fclose.al
-r--r--r-- 1      192 Aug 4 09:39 fcntl.al
-r--r--r-- 1      155 Aug 4 09:39 fdopen.al
-r--r--r-- 1      139 Aug 4 09:39 feof.al
-r--r--r-- 1      143 Aug 4 09:39 ferror.al
-r--r--r-- 1      143 Aug 4 09:39 fflush.al
-r--r--r-- 1      141 Aug 4 09:39 fgetc.al
-r--r--r-- 1      145 Aug 4 09:39 fgetpos.al
-r--r--r-- 1      141 Aug 4 09:39 fgets.al
-r--r--r-- 1      144 Aug 4 09:39 fileno.al
-r--r--r-- 1      140 Aug 4 09:39 fopen.al
-r--r--r-- 1      148 Aug 4 09:39 fork.al
-r--r--r-- 1      168 Aug 4 09:39 fprintf.al
-r--r--r-- 1      163 Aug 4 09:39 fputc.al
-r--r--r-- 1      163 Aug 4 09:39 fputs.al
-r--r--r-- 1      162 Aug 4 09:39 fread.al
-r--r--r-- 1      168 Aug 4 09:39 free.al
-r--r--r-- 1      166 Aug 4 09:39 freopen.al
-r--r--r-- 1      186 Aug 4 09:39 fscanf.al
-r--r--r-- 1      151 Aug 4 09:39 fseek.al
-r--r--r-- 1      148 Aug 4 09:39 fsetpos.al
-r--r--r-- 1      246 Aug 4 09:39 fstat.al
-r--r--r-- 1      141 Aug 4 09:39 ftell.al
-r--r--r-- 1      165 Aug 4 09:39 fwrite.al
-r--r--r-- 1      161 Aug 4 09:39getc.al
-r--r--r-- 1      161 Aug 4 09:39 getchar.al
-r--r--r-- 1      176 Aug 4 09:39 getcwd.al
-r--r--r-- 1      156 Aug 4 09:39 getegid.al
-r--r--r-- 1      163 Aug 4 09:39 getenv.al
-r--r--r-- 1      156 Aug 4 09:39 geteuid.al
-r--r--r-- 1      154 Aug 4 09:39 getgid.al
-r--r--r-- 1      170 Aug 4 09:39 getgrgid.al
-r--r--r-- 1      171 Aug 4 09:39 getgnam.al
-r--r--r-- 1      212 Aug 4 09:39 getgroups.al
-r--r--r-- 1      162 Aug 4 09:39 getlogin.al
-r--r--r-- 1      164 Aug 4 09:39 getpgrp.al
-r--r--r-- 1      150 Aug 4 09:39 getpid.al
-r--r--r-- 1      157 Aug 4 09:39 getppid.al
-r--r--r-- 1      171 Aug 4 09:39 getpwnam.al

```

```

-r--r--r-- 1      170 Aug 4 09:39 getpwuid.al
-r--r--r-- 1      158 Aug 4 09:39 gets.al
-r--r--r-- 1      150 Aug 4 09:39 getuid.al
-r--r--r-- 1      165 Aug 4 09:39 gmtime.al
-r--r--r-- 1      166 Aug 4 09:39 isatty.al
-r--r--r-- 1      169 Aug 4 09:39 kill.al
-r--r--r-- 1      159 Aug 4 09:39 labs.al
-r--r--r-- 1      165 Aug 4 09:39 ldiv.al
-r--r--r-- 1      186 Aug 4 09:39 link.al
-r--r--r-- 1      174 Aug 4 09:39 localtime.al
-r--r--r-- 1      153 Aug 4 09:39 log.al
-r--r--r-- 1      165 Aug 4 09:39 longjmp.al
-r--r--r-- 1      155 Aug 4 09:39 malloc.al
-r--r--r-- 1      167 Aug 4 09:39 memchr.al
-r--r--r-- 1      162 Aug 4 09:39 memcmp.al
-r--r--r-- 1      178 Aug 4 09:39 memcpy.al
-r--r--r-- 1      163 Aug 4 09:39 memmove.al
-r--r--r-- 1      161 Aug 4 09:39 memset.al
-r--r--r-- 1      184 Aug 4 09:39 mkdir.al
-r--r--r-- 1      159 Aug 4 09:39 offsetof.al
-r--r--r-- 1      265 Aug 4 09:39 opendir.al
-r--r--r-- 1      166 Aug 4 09:39 perror.al
-r--r--r-- 1      166 Aug 4 09:39 pow.al
-r--r--r-- 1      179 Aug 4 09:39 printf.al
-r--r--r-- 1      161 Aug 4 09:39 putc.al
-r--r--r-- 1      167 Aug 4 09:39 putchar.al
-r--r--r-- 1      161 Aug 4 09:39 puts.al
-r--r--r-- 1      162 Aug 4 09:39 qsort.al
-r--r--r-- 1      186 Aug 4 09:39 raise.al
-r--r--r-- 1      169 Aug 4 09:39 rand.al
-r--r--r-- 1      173 Aug 4 09:39 readdir.al
-r--r--r-- 1      157 Aug 4 09:39 realloc.al
-r--r--r-- 1      169 Aug 4 09:39 remove.al
-r--r--r-- 1      192 Aug 4 09:39 rename.al
-r--r--r-- 1      173 Aug 4 09:39 rewind.al
-r--r--r-- 1      179 Aug 4 09:39 rewinddir.al
-r--r--r-- 1      171 Aug 4 09:39 rmdir.al
-r--r--r-- 1      184 Aug 4 09:39 scanf.al
-r--r--r-- 1      161 Aug 4 09:39 setgid.al
-r--r--r-- 1      167 Aug 4 09:39 setjmp.al
-r--r--r-- 1      161 Aug 4 09:39 setuid.al
-r--r--r-- 1      171 Aug 4 09:39 siglongjmp.al
-r--r--r-- 1      173 Aug 4 09:39 sigsetjmp.al
-r--r--r-- 1      153 Aug 4 09:39 sin.al
-r--r--r-- 1      165 Aug 4 09:39 sleep.al
-r--r--r-- 1      179 Aug 4 09:39 sprintf.al
-r--r--r-- 1      156 Aug 4 09:39 sqrt.al
-r--r--r-- 1      130 Aug 4 09:39 srand.al
-r--r--r-- 1      179 Aug 4 09:39 sscanf.al
-r--r--r-- 1      163 Aug 4 09:39 stat.al
-r--r--r-- 1      162 Aug 4 09:39 strcat.al
-r--r--r-- 1      167 Aug 4 09:39 strchr.al
-r--r--r-- 1      162 Aug 4 09:39 strcmp.al
-r--r--r-- 1      161 Aug 4 09:39 strcpy.al
-r--r--r-- 1      181 Aug 4 09:39 strcspn.al
-r--r--r-- 1      186 Aug 4 09:39 strerror.al
-r--r--r-- 1      166 Aug 4 09:39 strlen.al
-r--r--r-- 1      164 Aug 4 09:39 strncat.al
-r--r--r-- 1      164 Aug 4 09:39 strncmp.al
-r--r--r-- 1      163 Aug 4 09:39 strncpy.al
-r--r--r-- 1      155 Aug 4 09:39 stroul.al
-r--r--r-- 1      157 Aug 4 09:39 strpbrk.al
-r--r--r-- 1      170 Aug 4 09:39 strrchr.al
-r--r--r-- 1      155 Aug 4 09:39 strspn.al

```

```

-r--r--r-- 1      178 Aug 4 09:39 strstr.al
-r--r--r-- 1      155 Aug 4 09:39 strtod.al
-r--r--r-- 1      155 Aug 4 09:39 strtok.al
-r--r--r-- 1      155 Aug 4 09:39 strtol.al
-r--r--r-- 1      168 Aug 4 09:39 system.al
-r--r--r-- 1      153 Aug 4 09:39 tan.al
-r--r--r-- 1      149 Aug 4 09:39 time.al
-r--r--r-- 1      153 Aug 4 09:39 times.al
-r--r--r-- 1      149 Aug 4 09:39 tmpfile.al
-r--r--r-- 1      165 Aug 4 09:39 tolower.al
-r--r--r-- 1      165 Aug 4 09:39 toupper.al
-r--r--r-- 1      162 Aug 4 09:39 umask.al
-r--r--r-- 1      148 Aug 4 09:39 ungetc.al
-r--r--r-- 1      169 Aug 4 09:39 unlink.al
-r--r--r-- 1      194 Aug 4 09:39 utime.al
-r--r--r-- 1      150 Aug 4 09:39 vfprintf.al
-r--r--r-- 1      148 Aug 4 09:39 vprintf.al
-r--r--r-- 1      150 Aug 4 09:39 vsprintf.al
-r--r--r-- 1      209 Aug 4 09:39 wait.al
-r--r--r-- 1      244 Aug 4 09:39 waitpid.al

```

local/lib/perl5/auto/Socket:

```

-r--r--r-- 1      78 Aug 4 09:39 autosplit.ix

```

local/lib/perl5/auto/Text:

```

drwxr-xr-x 2      512 Aug 4 09:39 ParseWords

```

local/lib/perl5/auto/Text/ParseWords:

```

-r--r--r-- 1      136 Aug 4 09:39 autosplit.ix
-r--r--r-- 1      882 Aug 4 09:39 old_shellwords.al
-r--r--r-- 1     2631 Aug 4 09:39 quotewords.al
-r--r--r-- 1      485 Aug 4 09:39 shellwords.al

```

local/lib/perl5/auto/Tk:

```

-rw-r--r-- 1      96 Aug 4 09:39 autosplit.ix
-rw-r--r-- 1     126 Aug 4 09:39 exit.al

```

local/lib/perl5/sun4-solaris:

```

drwxr-xr-x 2     1024 Aug 4 09:39 CORE
-r--r--r-- 1    10388 Aug 4 09:39 Config.pm
drwxr-xr-x 10      512 Aug 4 09:39 auto
-rw-r--r-- 1      396 Aug 4 09:39 perllocal.pod

```

local/lib/perl5/sun4-solaris/CORE:

```

-r--r--r-- 1      291 Aug 4 09:39 EXTERN.h
-r--r--r-- 1      289 Aug 4 09:39 INTERN.h
-r--r--r-- 1     1117 Aug 4 09:39 XSUB.h
-r--r--r-- 1     1373 Aug 4 09:39 av.h
-rw-r--r-- 1    42683 Aug 4 09:39 config.h
-r--r--r-- 1     6755 Aug 4 09:39 cop.h
-r--r--r-- 1     1435 Aug 4 09:39 cv.h
-r--r--r-- 1      463 Aug 4 09:39 dosish.h
-r--r--r-- 1    42527 Aug 4 09:39 embed.h
-r--r--r-- 1      547 Aug 4 09:39 form.h
-r--r--r-- 1     2584 Aug 4 09:39 gv.h
-r--r--r-- 1     5704 Aug 4 09:39 handy.h
-r--r--r-- 1     1894 Aug 4 09:39 hv.h
-r--r--r-- 1     5640 Aug 4 09:39 keywords.h
-rw-r--r-- 1   1022640 Aug 4 09:39 libperl.a
-r--r--r-- 1      886 Aug 4 09:39 mg.h
-r--r--r-- 1     6622 Aug 4 09:39 op.h
-r--r--r-- 1    43086 Aug 4 09:39 opcode.h
-r--r--r-- 1       21 Aug 4 09:39 patchlevel.h
-r--r--r-- 1    39057 Aug 4 09:39 perl.h

```

```

-r--r--r-- 1      1136 Aug  4 09:39 perly.h
-r--r--r-- 1      5955 Aug  4 09:39 pp.h
-r--r--r-- 1     16791 Aug  4 09:39 proto.h
-r--r--r-- 1     8050 Aug  4 09:39 regcomp.h
-r--r--r-- 1     1053 Aug  4 09:39 regexp.h
-r--r--r-- 1     2031 Aug  4 09:39 scope.h
-r--r--r-- 1    18368 Aug  4 09:39 sv.h
-r--r--r-- 1     1638 Aug  4 09:39 unixish.h
-r--r--r-- 1      214 Aug  4 09:39 util.h

```

local/lib/perl5/sun4-solaris/auto:

```

drwxr-xr-x 2      512 Aug  4 09:39 DynaLoader
drwxr-xr-x 2      512 Aug  4 09:39 Fcntl
drwxr-xr-x 2      512 Aug  4 09:39 NDBM_File
drwxr-xr-x 2      512 Aug  4 09:39 POSIX
drwxr-xr-x 2      512 Aug  4 09:39 SDBM_File
drwxr-xr-x 2      512 Aug  4 09:39 Socket
drwxr-xr-x 3      512 Aug  4 09:39 Text
drwxr-xr-x 3      512 Aug  4 09:39 Tk

```

local/lib/perl5/sun4-solaris/auto/DynaLoader:

```

-r--r--r-- 1     8910 Aug  4 09:39 DynaLoader.a
-r--r--r-- 1        1 Aug  4 09:39 extralibs.ld

```

local/lib/perl5/sun4-solaris/auto/Fcntl:

```

-r--r--r-- 1        0 Aug  4 09:39 Fcntl.bs
-r-xr-xr-x 1     9288 Aug  4 09:39 Fcntl.so

```

local/lib/perl5/sun4-solaris/auto/NDBM_File:

```

-r--r--r-- 1        0 Aug  4 09:39 NDBM_File.bs
-r-xr-xr-x 1    14004 Aug  4 09:39 NDBM_File.so

```

local/lib/perl5/sun4-solaris/auto/POSIX:

```

-r--r--r-- 1        0 Aug  4 09:39 POSIX.bs
-r-xr-xr-x 1   128984 Aug  4 09:39 POSIX.so

```

local/lib/perl5/sun4-solaris/auto/SDBM_File:

```

-r--r--r-- 1        0 Aug  4 09:39 SDBM_File.bs
-r-xr-xr-x 1    26364 Aug  4 09:39 SDBM_File.so

```

local/lib/perl5/sun4-solaris/auto/Socket:

```

-r--r--r-- 1        0 Aug  4 09:39 Socket.bs
-r-xr-xr-x 1   15392 Aug  4 09:39 Socket.so

```

local/lib/perl5/sun4-solaris/auto/Text:

```

drwxr-xr-x 2      512 Aug  4 09:39 ParseWords

```

local/lib/perl5/sun4-solaris/auto/Text/ParseWords:

local/lib/perl5/sun4-solaris/auto/Tk:

```

-rw-r--r-- 1        0 Aug  4 09:39 Tk.bs
-rwxr-xr-x 1   1039060 Aug  4 09:39 Tk.so
drwxr-xr-x 2      512 Aug  4 09:39 Xlib

```

local/lib/perl5/sun4-solaris/auto/Tk/Xlib:

```

-rw-r--r-- 1        0 Aug  4 09:39 Xlib.bs
-rwxr-xr-x 1    28848 Aug  4 09:39 Xlib.so

```

local/perl5:

```

-rw-r--r-- 1     2446 Aug  4 09:39 AddINC.pm
-rw-r--r-- 1      241 Aug  4 09:39 AnyDBM_File.pm
-r--r--r-- 1     715 Aug  4 09:39 AutoLoader.pm
-r--r--r-- 1    7529 Aug  4 09:39 AutoSplit.pm
-rw-r--r-- 1     6563 Aug  4 09:39 Benchmark.pm

```

```
-r--r--r-- 1 1127 Aug 4 09:39 Carp.pm
-r--r--r-- 1 3959 Aug 4 09:39 Cwd.pm
-rw-r--r-- 1 3366 Aug 4 09:39 DSC.pm
-r--r--r-- 1 8810 Aug 4 09:39 DynaLoader.pm
-r--r--r-- 1 2406 Aug 4 09:39 English.pm
-rw-r--r-- 1 1430 Aug 4 09:39 Env.pm
-r--r--r-- 1 3791 Aug 4 09:39 Exporter.pm
-r--r--r-- 1 1178 Aug 4 09:39 Fcntl.pm
-rw-r--r-- 1 3700 Aug 4 09:39 FileHandle.pm
-rw-r--r-- 1 2971 Aug 4 09:39 Ghostview.pm
-rw-r--r-- 1 123 Aug 4 09:39 NDBM_File.pm
-r--r--r-- 1 19704 Aug 4 09:39 POSIX.pm
-rw-r--r-- 1 0 Aug 4 09:39 Pretty.pm
```